

PAT-NO: JP02000287373A  
DOCUMENT-IDENTIFIER: JP 2000287373 A  
TITLE: CAPACITOR STORAGE DEVICE

PUBN-DATE: October 13, 2000

INVENTOR-INFORMATION:

NAME COUNTRY  
ROKUTO, TAKAO N/A

ASSIGNEE-INFORMATION:

NAME COUNTRY  
SHIZUKI ELECTRIC CO INC N/A

APPL-NO: JP11088863  
APPL-DATE: March 30, 1999

INT-CL (IPC): H02J007/02 , H01G009/155

ABSTRACT:

PROBLEM TO BE SOLVED: To attain a capacitor storage device which has little power loss during charging and is capable of charging respective capacitors forming a device effectively up to rated voltage, and detecting a deteriorated capacitor without failure.

SOLUTION: For each of capacitors 25 (Ca) connected in series, a first voltage detecting circuit 26 and a second voltage detecting circuit 30 are connected. When the voltage of the capacitors 25 reaches rated voltage at the time of charging operation, it is detected by the first voltage detecting circuit 26, and a thyristor element 28 is turned on, so that an adjustment capacitor 27 (Cb) is energized. If the voltage of the capacitors 25 exceeds the rated voltage and it continues for a prescribed time, it is detected by the second voltage detecting circuit 30, the contact of a relay 31 is turned on and an operation indicating lamp 32 is lighted to indicate deterioration in the capacitance of the capacitors 25 to the outside.

COPYRIGHT: (C) 2000, JPO

